

Docket No.: GR 98 P 1974

COMBINED DECLARATION AND POWER OF ATTORNEY
IN ORIGINAL APPLICATION

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that I verily believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

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described and claimed in the specification bearing that title, that I understand the content of the specification, that I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve month prior to this application, that I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application under 37 C.F.R. 1.56a, and that no application for patent or inventor's certificate of this invention has been filed earlier than the following in any country foreign to the United States prior to this application by me or my legal representatives or assigns:

German Application No. 198 28 972.3, filed June 29, 1998, the International Priority of which is claimed under 35 U.S.C. §119; and International Application No. PCT/DE99/01625, filed June 1, 1999, the Priority of which is claimed under 35 U.S.C. §120.

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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The first of these is the fact that the
 \mathcal{H}^1 norm is not a norm on the space of
 functions of bounded variation. This is
 because the norm is not positive definite.
 For example, the function $f(x) = 1$ for
 $x \in [0, 1]$ and $f(x) = 0$ for $x \in [1, 2]$
 has \mathcal{H}^1 norm zero, even though it is not
 the zero function. This is a problem
 because it means that the norm does not
 distinguish between functions that are
 zero and functions that are not zero.
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